

Fig. 1

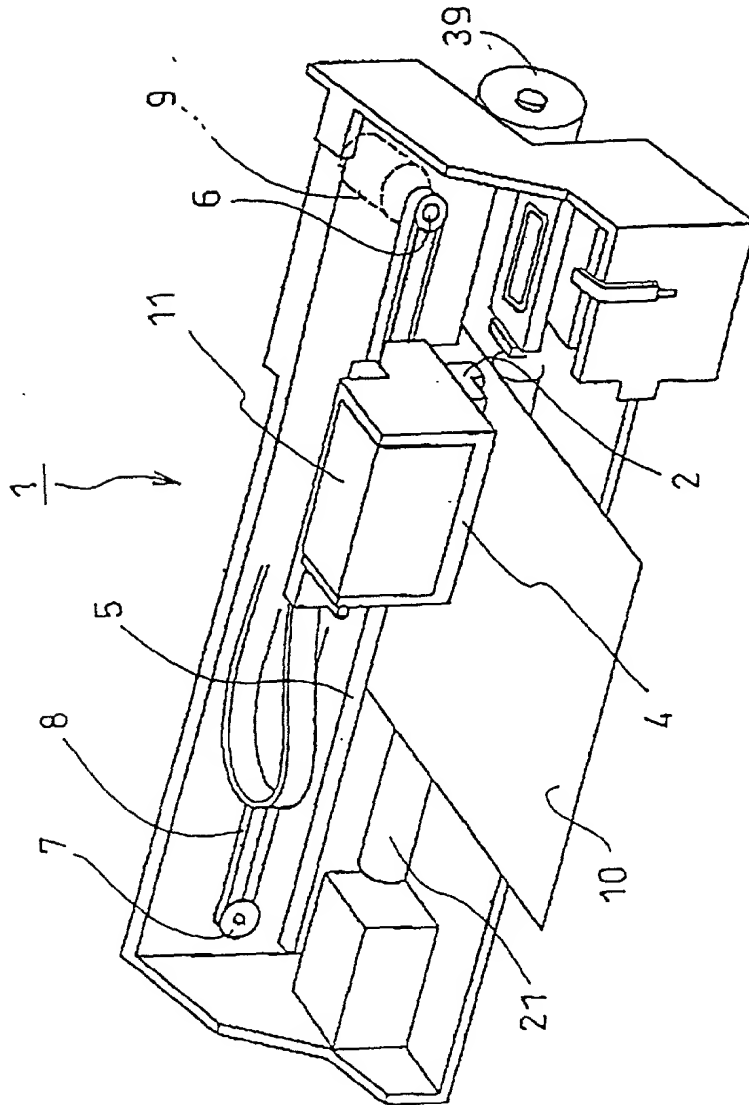


Fig. 2

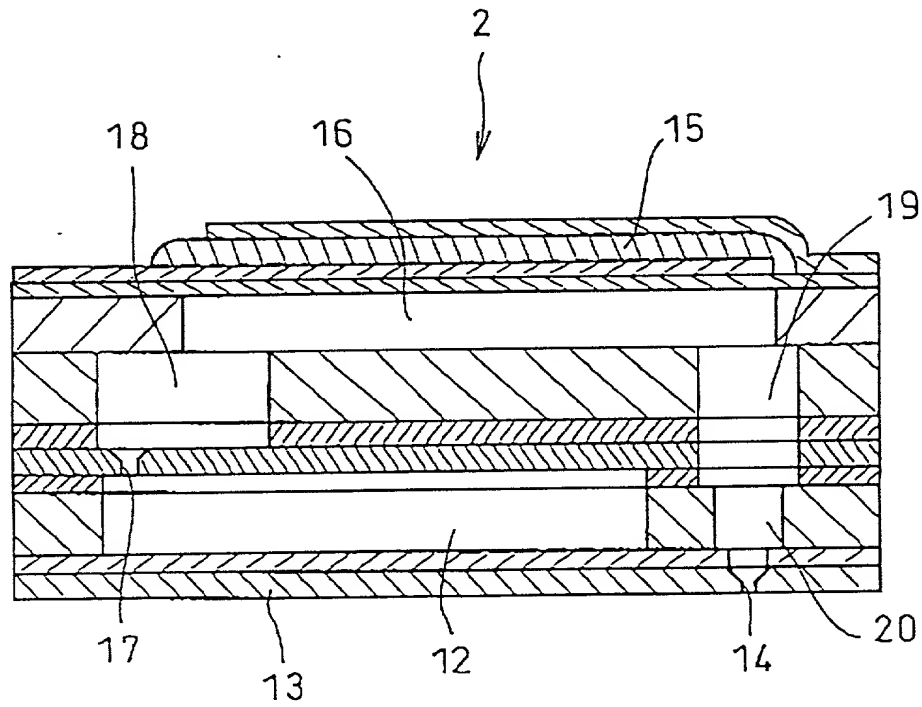
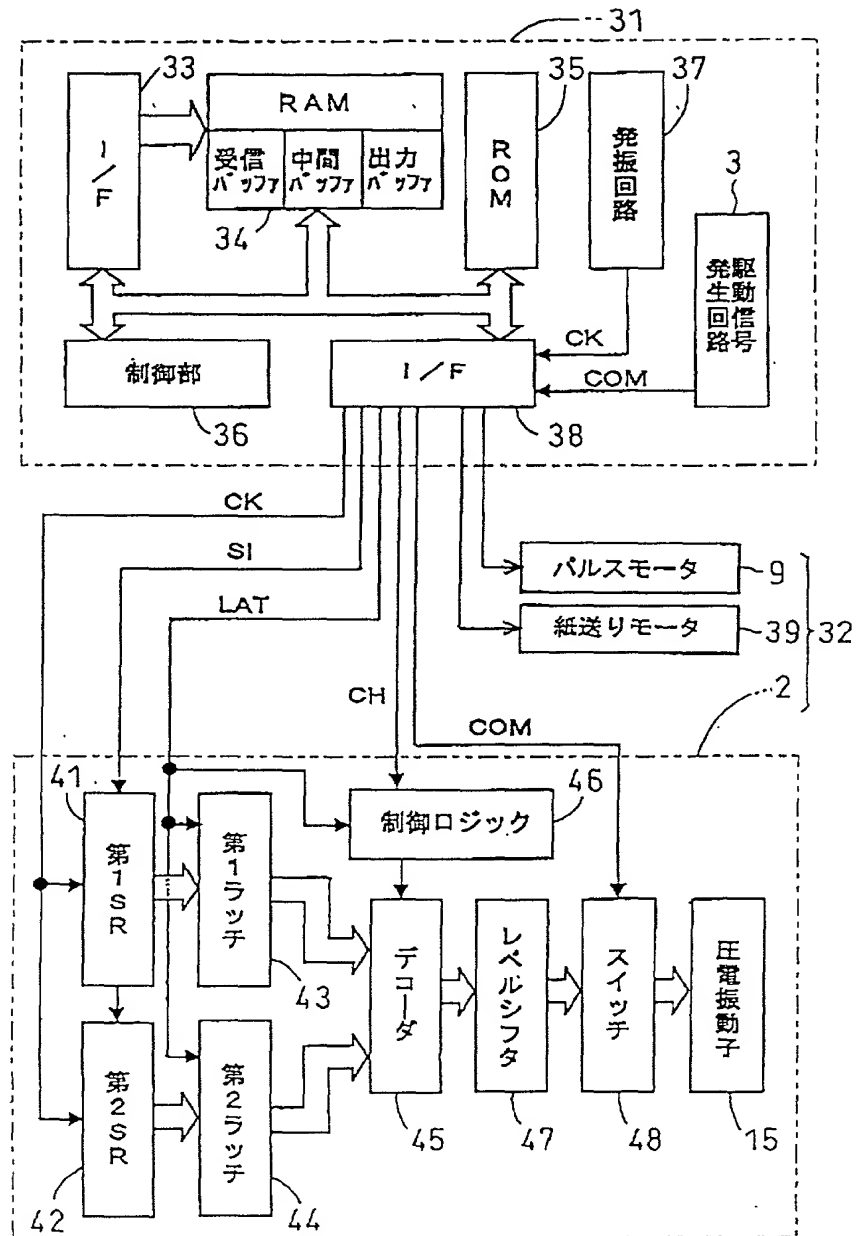


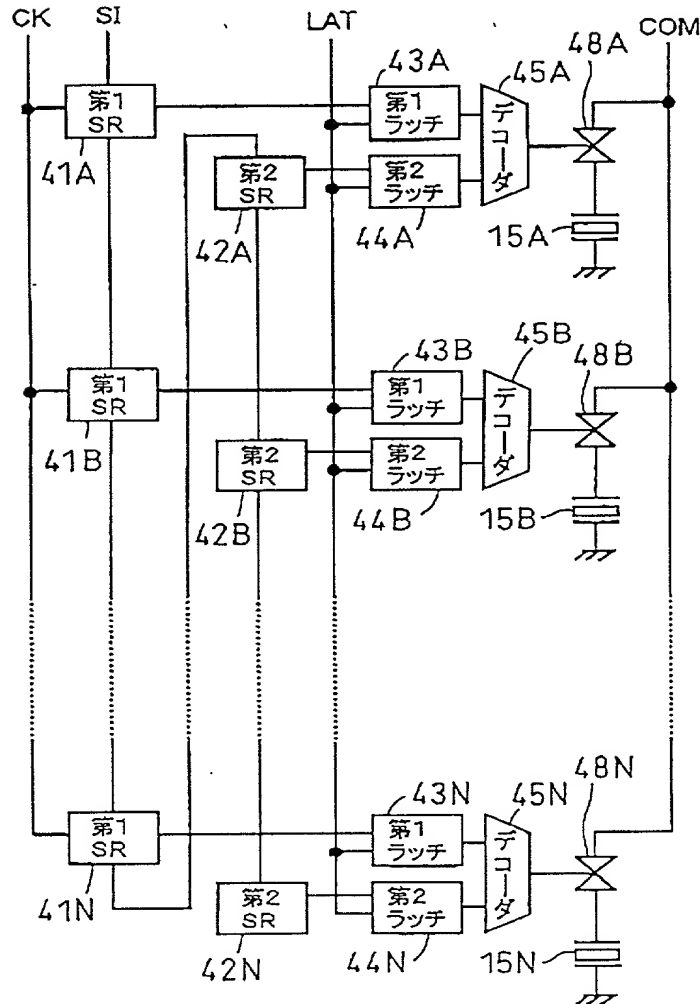
FIG. 2

Fig. 3



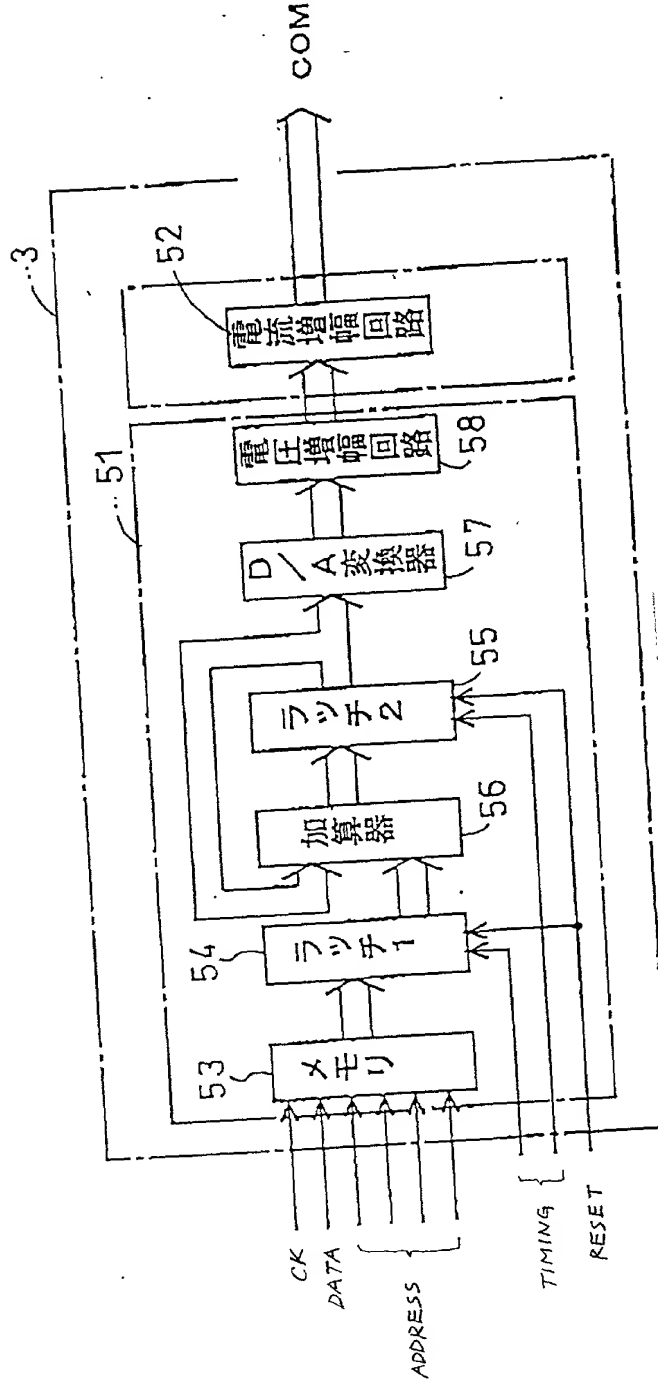
- | | |
|--|-----------------------------------|
| 3: drive signal generator | 41: first shift register section |
| 9: pulse motor | 42: second shift register section |
| 15: piezoelectric vibrator | 43: first latching section |
| 33: external I/F | 44: second latching section |
| 34: reception buffer, intermediate buffer, output buffer | 45: decoder |
| 36: controller | 46: control logic |
| 37: oscillator | 47: level shifter |
| 38: internal I/F | 48: switcher |
| 39: paper feeding motor | |

Fig. 4



- 41A ... 41N: first shift register element
 42A ... 42N: second shift register element
 43A ... 43N: first latching element
 44A ... 44N: second latching element
 45A ... 45N: decoder element

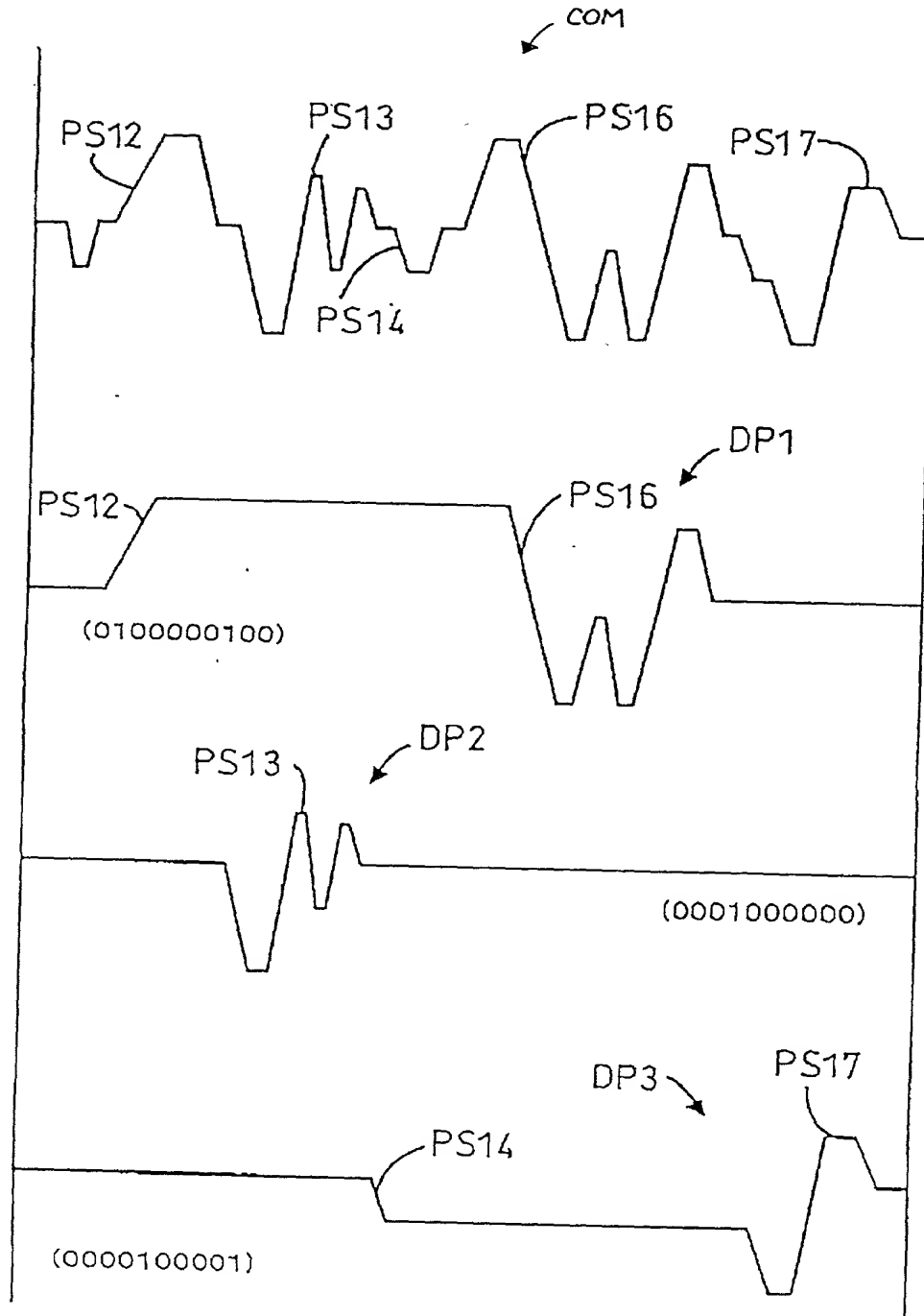
Fig. 5



- 52: current amplifier
- 53: waveform memory
- 54: first waveform latching section
- 55: second waveform latching section
- 56: adder
- 57: D/A converter
- 58: voltage amplifier

The diagram illustrates the timing of the 68000 microprocessor's bus signals. The horizontal axis represents time, divided into intervals T1 through T7. The vertical axis shows the signal levels for LAT (Latched Address), CH (Chip Enable), and TIMING (Timing Signal). The bus signals are labeled as PS11, PS12, PS13, PS14, PS15, PS16, PS17, CP1, CP2, CP3, VH (Valid High), VM (Valid Medium), and VL (Valid Low). The timing intervals T1 through T7 are defined by the rising and falling edges of the LAT, CH, and TIMING signals. The bus signals are shown as a series of pulses and levels, with the timing intervals T1 through T7 corresponding to the duration of each signal state.

Fig. 7



20020924 080601

109080 EBT2660

Fig. 8

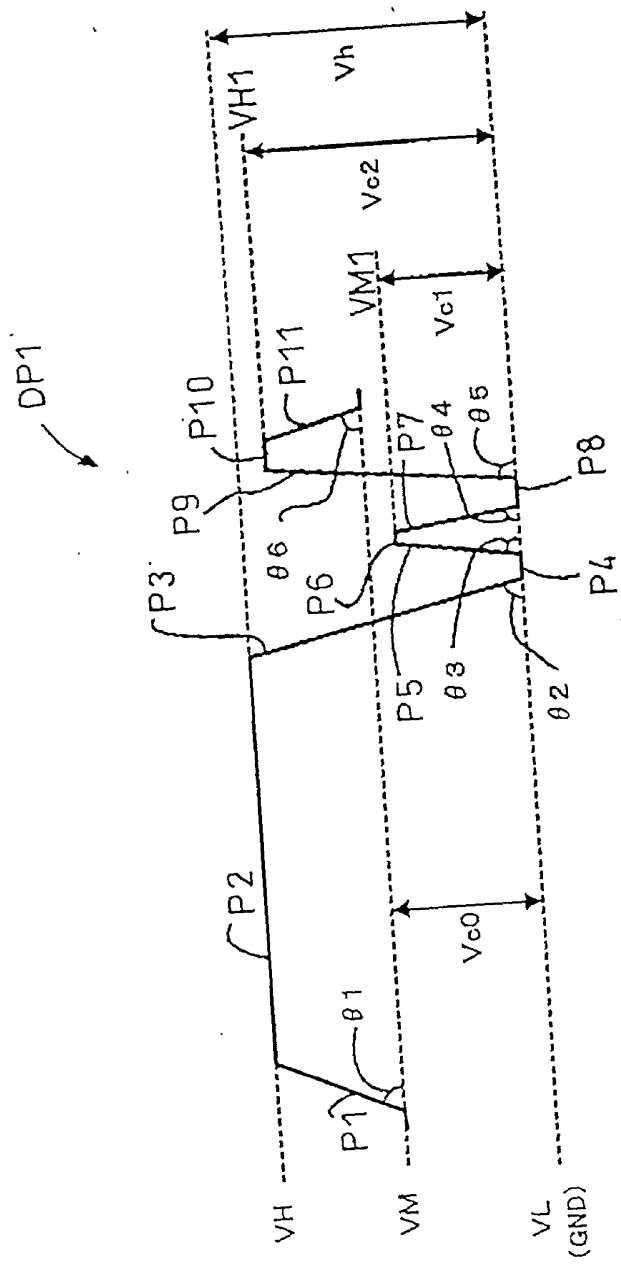


Fig. 9A

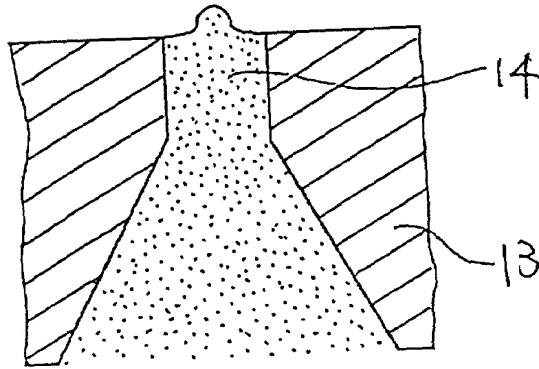


Fig. 9B

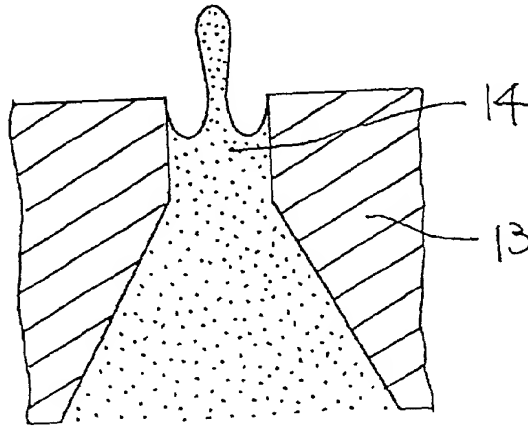
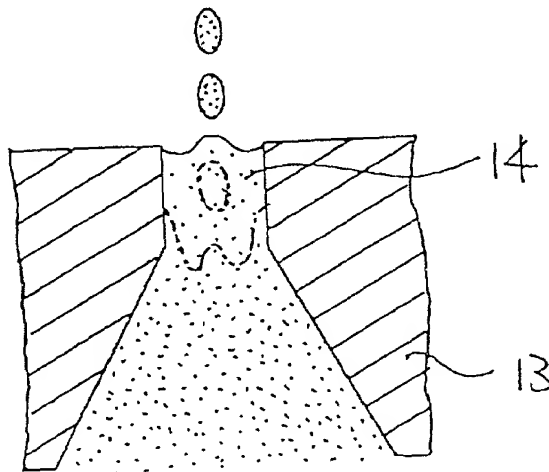


Fig. 9C



Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

